

Engineering:

Document 2: Self Assessment

School District:			
Name of Campus/School:			
Campus/School Street Address:	City	State	Zip Code:

Yes: Exceeds or meets expectations. No need for additional technical assistance at this time, although some areas, as indicated, could be improved.

No: Generally falls below expectations. Additional technical assistance and/or resource utilization would be helpful for improvement.

I. Program Implementation

A. Instruction		Yes	No
1.	The most current version of the PLTW curriculum is being used.		
2.	Students are provided with the grading criteria for each project and assignment in advance.		
3.	PLTW end-of-course assessments are being administered to students at the conclusion of each course.		
4.	Gender-neutral teaching practices and materials are used for instruction.		
5.	Students are required to individually apply mathematic and scientific concepts covered in the curriculum as evidenced in the student work.		
B. Student Portfolios and Engineering Notebooks			
1.	Student portfolios and engineering notebooks are available and reflect the progression of skills developed in the PLTW course(s).		
2.	All students are required to keep engineering notebooks and portfolios.		
C. Software, Equipment, and Resources			
1.	A current software lease agreement has been signed by a school district official. (provide a copy for the visit)		

2.	The current revision of each software package is being used.		
3.	Equipment (including computer hardware), software, tools, and supplies meet or exceed PLTW specifications.		
4.	Considering maximum class enrollments, physical arrangement, furniture, equipment, tools, materials, and supplies in the classroom(s); laboratories are adequate and accessible for student use.		
5.	Students have access to the internet to conduct research and communicate with mentors or advisors.		

D. Teacher Selection

Describe the criteria used to identify and recruit teachers for PLTW courses:

E. PLTW Pathway To Engineering sequence of courses: (1st, 2nd course, etc.)

II. Professional Development

A. Names of all on site Counselors and Administrators	PLTW Conference Attendance (Type, Location, and Year)

B. Frequency of meetings:		
Previous 2 meeting agendas and minutes to be provided for review at visit.		

D. Faculty and Administration Support		Yes	No
1.	Teachers, administrators, and counselors attend and participate in partnership team meetings and activities.		

IV. Students

Enrollment Data

Current Year	Building Enrollment ↓	PLTW COURSES							
		IED	POE	DE	AE	BE	CEA	CIM	EDD
# Sections									
A. Gender									
Females									
Males									
PLTW Course Totals →									
B. Race/Ethnicity									
African Americans									
American Indians/ Alaskans									
Asians									
Caucasians									
Hispanics									
Other									
Total Building Enrollment:									
Total PLTW Enrollment		% school population enrolled in PLTW courses							
% of Building on Free and Reduced Lunches:									

C. Selection and Recruitment:
Describe the process and criteria used to enroll students in the PLTW program.

D. Concurrent Mathematics:

Describe the procedures in place to ensure each student is concurrently enrolled in a college preparatory mathematics course.

E. Retention:

Indicate the number of students who are progressing through the PLTW program sequence.

	1 st course	2 nd course	3 rd course	4 th course	5 th course	6 th course
Year 1						
Year 2						
Year 3						
Year 4						
Year 5						
Year 6						

V. Participation in Data Collection

PLTW has contracted with a NWEA to conduct annual evaluations of the PLTW program. PLTW student data is collected through an online registration process. Long term, the data will be used to determine the success of the PLTW program.

Provide a copy of the printed page from the PLTW designated data collection agent showing the teachers' and students' participation.

VI. Administrative Support

A. Provide a copy of the school district agreement at the site visit.

B. Facilities and Equipment		Yes	No
1.	The district has provided a laptop computer(s) meeting or exceeding the PLTW minimum standards for each PLTW trained teacher.		
2.	The PLTW Purchasing Manual is made available to PLTW trained teachers and administrators for planning purposes.		
3.	Adequate classroom/laboratory space is provided for students to participate in the PLTW curriculum.		

C. Funding and Budget		Yes	No
1.	There is funding available for teachers, counselors and administrators to attend PLTW professional development.		
2.	There is a budget for PLTW program operation.		
3.	The PLTW program budget is prepared with input from the PLTW trained teachers.		
4.	Plans have been developed for replacing and/or updating, furniture, equipment, and tools. Please explain below.		
Explanation:			

VII. Post Secondary Education

Provide a sample of your engineering career concentration plan for the site visit.

VIII. Communication and Outreach

A. Awareness		Yes	No
1.	The school counselors, administrators, teachers and partnership team members have made the community aware of the program.		
2.	Administrators and teachers have informed school faculty of the PLTW program.		
3.	Students are aware of the opportunity to take PLTW classes.		
4.	Parents understand the requirements and rigor of the program.		
5.	Feeder pattern schools are included in the recruitment process.		
6.	Student, class and teacher success are recognized.		
Examples of awareness, recruitment, and celebration strategies.			

Date Document was completed:			
District Mailing Address:	City	State	Zip Code
School's Front Office Phone #:	Building Fax #:	PLTW Implementation Date:	
Building Principal Name:			
District Career/Technical Director:		Primary PLTW Contact: Name: Email: Phone:	
List names and titles of Pre-assessment team members:			
Name:		Title:	
Name:		Title:	
Name:		Title:	
Name:		Title:	
Name:		Title:	